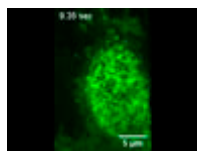
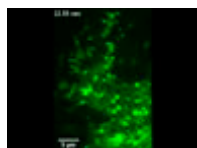


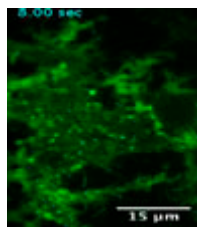
Srinivasan et al., <http://www.jgp.org/cgi/content/full/jgp.201010532/DC1>



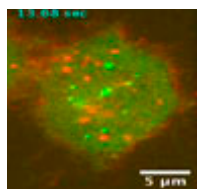
Video 1. TIRF localization and dynamics: $\alpha 4$ -eGFP $\beta 2$ wt nAChRs. Neuro-2a cell cotransfected with $\alpha 4$ -eGFP plus $\beta 2$ wt. nAChRs display ER plus membrane-localized receptors with no vesicular dynamics. TIRF images at a frame rate of 5/s; total time is 26 s.



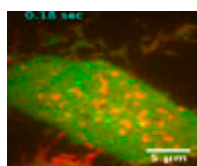
Video 2. TIRF localization and dynamics: $\alpha 4$ -eGFP $\beta 4$ wt nAChRs. Neuro-2a cell cotransfected with $\alpha 4$ -eGFP plus $\beta 4$ wt. nAChRs display membrane-localized nAChRs with many pleomorphic vesicles. TIRF images at a frame rate of 5/s; total time is 55 s.



Video 3. TIRF localization and dynamics: $\alpha 4$ -eGFP $\beta 2$ double-mutant nAChRs. nAChRs display membrane-localized nAChRs with many pleomorphic vesicles. TIRF images at a frame rate of 5/s; total time is 48 s.



Video 4. ERES and nAChRs. Neuro-2a cell cotransfected with $\alpha 4$ -mcherry plus $\beta 2$ wt plus Sec24D-eGFP. No drug; 0.1 μ M nicotine for 48 h (see Video 5). Note that the nAChRs move near, and in some cases past or through, the clusters of Sec24D. TIRFM images at a frame rate of 5/s; total time is 118 s.



Video 5. ERES and nAChRs. Neuro-2a cell cotransfected with $\alpha 4$ -mcherry plus $\beta 2$ wt plus Sec24D-eGFP. No drug (see Video 4); 0.1 μ M nicotine for 48 h. Note that the nAChRs move near, and in some cases past or through, the clusters of Sec24D. TIRFM images at a frame rate of 5/s; total time is 118 s.